

#4



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/927,102	08/10/2001	Michael Weber-Grabau	SEN-002

003897
LAW OFFICE OF THOMAS SCHNECK
P.O. BOX 2-E
SAN JOSE, CA 95109-0005

CONFIRMATION NO. 3815

FORMALITIES LETTER



OC000000006813410

Date Mailed: 09/28/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The signature of the following inventor(s) is missing from the oath or declaration:
Michael Weber-Grabau, Edric H. Tong, Kenneth C. Johnson
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 65.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

10/17/2001 09:00:01 00000047 09927102

01 FC:205

65.00 02



UNITED STATES PATENT AND TRADEMARK OFFICE

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WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/927,102	08/10/2001	2877	593	SEN-002	4	42	4

CONFIRMATION NO. 3815

003897

LAW OFFICE OF THOMAS SCHNECK
P.O. BOX 2-E
SAN JOSE, CA 95109-0005

FILING RECEIPT



OC000000006813409

Date Mailed: 09/28/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Michael Weber-Grabau, Sunnyvale, CA;
Edric H. Tong, Sunnyvale, CA;
Adam E. Norton, Palo Alto, CA;
Fred E. Stanke, Cupertino, CA;
James M. Cahill, San Jose, CA;
Douglas E. Ruth, Sunnyvale, CA;
~~Kenneth C. Johnson, Santa Clara, CA;~~ - delete per attached "Amendment, Petition
and Fee to Delete Erroneously Named
Inventor..".

Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/224,571 08/11/2000

Foreign Applications

If Required, Foreign Filing License Granted 09/28/2001

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Optical critical dimension metrology system integrated into semiconductor wafer process tool

Preliminary Class

356



**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



#5

Practitioner's D k t No.

SEN-002

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael Weber-Grabau et al.

Application No.: 09/ 927,102 Group No.: 2877

Filed: August 10, 2001 Examiner:

For: OPTICAL CRITICAL DIMENSION METROLOGY SYSTEM

INTEGRATED INTO SEMICONDUCTOR WAFER PROCESS TOOL

Assistant Commissioner for Patents

Washington, D.C. 20231

**AMENDMENT, PETITION AND FEE TO DELETE AND/OR
ADD TO ORIGINAL ERRONEOUSLY NAMED OR NOT NAMED
INVENTOR(S) IN—NONPROVISIONAL APPLICATION—DECLARATION
(37 C.F.R. § 1.48(a))**

NOTE: "All the inventive entity is set forth in error in an executed § 1.63 oath or declaration in an application, other than a reissue application, and such error arose without any deceptive intention of the part of the person named as an inventor in error or on the part of the person who through error was not named as an inventor, the application may be amended to name only the actual inventor or inventors." 37 C.F.R. § 1.48(a)

NOTE: 37 C.F.R. § 1.48(f) states: "If the correct inventor or inventors are not named on filing a nonprovisional application under § 1.53(b) without an executed oath or declaration under § 1.63, the later submission of an executed oath or declaration under § 1.63 during the pendency of the application will act to correct the earlier identification of inventorship.

"(2) If the correct inventor or inventors are not named on filing a provisional application without a cover sheet under § 1.51(c)(1), the later submission of a cover sheet under § 1.51(c)(1) during the pendency of the application will act to correct the earlier identification of inventorship."

1. This amendment and petition is to correct the incorrect original naming of inventor(s) in the declaration under 37 C.F.R. § 1.48(a) as set forth and filed on 8/10/01 (date).
2. Addition and/or Deletion of Inventor(s)

(check and complete all applicable items)

☐ Add the following previously unnamed person(s) as inventor(s) of this application:

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

☒ deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Date: 10/10/2001

FACSIMILE

☐ transmitted by facsimile to the Patent and Trademark Office.

Merle P. Garcia
Signature

Merle P. Garcia

(type or print name of person certifying)

(Amendment, Petition and Fee to Delete and/or Add to Original Erroneously Named or Not Named Inventor(s) in Declaration (37 C.F.R. § 1.48(a) [9-22]—page 1 of 2)

- ☒ Delete the following previously incorrectly named inventor(s)
KENNETH C. JOHNSON

3. Attachments

Attached is

- (a) A statement from: *(check items below that apply)*

- ☐ each person being added as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 C.F.R. § 1.48(a)(1).
☒ each person being deleted as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 C.F.R. § 1.48(a)(1).

- (b) a declaration by each of the actual inventor(s) as required by 37 C.F.R. § 1.63 (or as permitted by §§ 1.42, 1.43, OR 1.47). 37 C.F.R. § 1.48(a)(2).

- (c) written assent of the assignee *(if any of the original inventors executed an assignment)* 37 C.F.R. 1.48(a)(4) NO ASSIGNMENT YET.

- (d) *(check the following item, if all the inventor(s) remaining after this petition and amendment is accepted are not the inventor(s) of the subject matter of all the claim(s) now being claimed.)*

- ☐ Attached is an explanation of the facts, including the ownership of all the claim(s) being claimed in this application, including the ownership of all the claim(s) at the time the last claimed invention was made (Declaration of Inventorship and Common Ownership of Claims in Application).

4. Fee Payment (37 C.F.R. § 1.17(i)-\$130.00)

The fee required is paid as follows:

- ☒ Attached is a ☒ check ☐ money order in the amount of \$ 130.00
☐ Authorization is hereby made to charge the amount of \$ _____
☐ to Deposit Account No. _____
☐ to Credit card as shown on the attached credit card information authorization form PTO-2038.

WARNING: Credit card information should **not** be included on this form as it may become public.

- ☒ Charge any additional fees required by this paper or credit any overpayment ~~in the manner authorized above~~ to Deposit Account No. 19-0590.

A duplicate of this paper is attached.


SIGNATURE OF PRACTITIONER

Reg. No.: 24,518

Thomas Schneck
(type or print name of practitioner)

Tel. No.: (408) 297-9733

P.O. Box 2-E
P.O. Address

Customer No.: 003897

San Jose, CA 95109-0005



Receipt \$
th

Practitioner's Docket No. SEN-002

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael Weber-Grabau et al.

Serial No.: 09 / 927,102 Group No.: 2877

Filed: August 10, 2001 Examiner:

For: OPTICAL CRITICAL DIMENSION METROLOGY SYSTEM
INTEGRATED INTO SEMICONDUCTOR WAFER PROCESS TOOL

Box Missing Part
Assistant Commissioner for Patents
Washington, D.C. 20231

**COMPLETION OF FILING REQUIREMENTS
— NONPROVISIONAL APPLICATION**

(check and complete this item, if applicable)

- I. ☒ This replies to the Notice to File Missing Parts of Application (PTO-1533)
mailed 09/28/2001

NOTE: If these papers are filed before the office letter issues, adequate identification of the original papers should be made, e.g., in addition to the name of the inventor and title of invention, the filing date based on the "Express Mail" procedure, the serial number from the return post card or the attorney's docket number added.

- ☒ A copy of the Notice to File Missing Parts of Application—Filing Date
Granted (Form PTO-1533) is enclosed.

NOTE: The PTO requires that a copy of Form PTO-1533 be returned with the response to the notice to file missing parts to the application.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

- ☒ deposited with the United States Postal
Service with sufficient postage as first class
mail in an envelope addressed to the
Assistant Commissioner for Patents,
Washington, D.C. 20231.

FACSIMILE

- ☐ transmitted by facsimile to the
Patent and Trademark Office.

Date: October 10, 2001

Merle P. Garcia
Signature
Merle P. Garcia
(type or print name of person certifying)



DECLARATION OR OATH

- II. ☐ No declaration or oath was filed. Enclosed is the original declaration or oath for this application.

NOTE: If the correct inventor or inventors are not named on filing a nonprovisional application under § 1.53(b) without an executed oath or declaration under § 1.63, the later submission of an executed oath or declaration under § 1.63 during the pendency of the application will act to correct the earlier identification of inventorship. 37 C.F.R. § 1.48(f)(1).

OR is being replaced per attached "Amendment, Petition and Fee to Delete..Inventor..".

- ☒ The declaration or oath that was filed ~~was determined to be defective~~. A new original oath or declaration is attached.

NOTE: For surcharge fee for filing declaration after filing date complete item VI(3) below.

NOTE: Acceptable minimums in the declaration for identification of the specification to which it applies are the name of the inventor and (1) serial number (2) attorney docket number which was on the application as filed and the filing date (3) title of the invention and filing date (4) title of invention and reference to a specification which is attached to the declaration at the time of execution and filed with the declaration or (5) title of invention and a statement by a registered attorney that the application filed in the PTO is the application which the inventor executed by signing the declaration. If identification (4) is used it must be accompanied by a statement that the "attached" specification is a copy of the specification and any amendments thereto which were filed in the PTO to obtain the filing date; such a statement must be a verified statement if made by a person not registered to practice before the PTO. Notice of September 12, 1983 (1035 O.G. 3).

NOTE: Another minimum found acceptable in the declaration is the filing date (i.e., date of express mail) and the express mail number, useful where the serial number is not yet known. But note the practice where the express mail deposit is a Saturday, Sunday or holiday within the District of Columbia. 37 C.F.R. 1.10(c).

(complete (c) or (d), if applicable)

Attached is a

- (c) ☐ Statement by a registered attorney that the application filed in the PTO is the application that the inventor executed by signing the declaration.
- (d) ☐ Statement that the "attached" specification is a copy of the specification and any amendments thereto that were filed in the PTO to obtain the filing date.

AMENDMENT CANCELLING CLAIMS

- III. ☐ Cancel claims _____ inclusive.

TRANSMITTAL OF ENGLISH TRANSLATION OF NON-ENGLISH LANGUAGE PAPERS

- IV. ☐ Submitted herewith is an English translation of the non-English language application papers as originally filed. Also submitted herewith is a statement by the translator of the accuracy of the translation. It is requested that this translation be used as the copy for examination purposes in the PTO.

NOTE: For fee processing a non-English application, complete item VI(5) below.

NOTE: A non-English oath or declaration in the form provided by the PTO need not be translated. 37 C.F.R. 1.69(b).

SMALL ENTITY STATUS

V. APPLICANT CLAIMS SMALL ENTITY STATUS. See 37 CFR 1.27.

☐ A statement that this filing is by a small entity

(check and complete applicable items)

☐ is attached.

☐ A separate refund request accompanies this paper.

☐ was filed on _____ (original).

COMPLETION FEES

VI.

WARNING: Failure to submit the surcharge fees where required will cause the application to become abandoned. 37 C.F.R. 1.53.

NOTE: For effect on fees of failure to establish status, or change status, as a small entity, see 37 C.F.R. 1.28(a).

1. Filing fee

☐ original patent application
(37 C.F.R. 1.16(a)—\$790.00; Small entity—\$395.00) \$ _____

☐ design application
(37 C.F.R. 1.16(f)—\$330.00; small entity—\$165.00) \$ _____
\$ _____

2. Fees for claims

☐ each independent claim in excess of 3
(37 C.F.R. 1.16(b)—\$82.00; small entity—\$41.00) \$ _____

☐ each claim in excess of 20
(37 C.F.R. 1.16(c)—\$22.00; small entity—\$11.00) \$ _____

☐ multiple dependent claim(s)
(37 C.F.R. 1.16(d)—\$270.00; small entity—\$135.00) \$ _____

3. Surcharge fees

☐ late payment of filing fee

and/or

☒ late filing of original declaration or oath
(37 C.F.R. 1.16(e)—\$130.00; small entity—\$65.00); \$ 65.00

NOTE: Even where a facsimile declaration or oath signed by the inventor(s) was part of the originally filed papers, the surcharge fee is required.

NOTE: If both the filing fee and declaration or oath were missing from the original papers, only one surcharge fee for both need be paid. 37 C.F.R. 1.16(e).

4. ☐ Petition and fee for filing by other than all the inventors or a person not the inventor (37 C.F.R. 1.17(i) and 1.47—\$130.00) \$ _____
5. ☐ Fee for processing an application filed with a specification in a non-English language (37 C.F.R. 1.17(k) and 1.52(d)—\$130.00) \$ _____
6. ☐ Fee for processing and retention of application (37 C.F.R. 1.21(i) and 1.53(d)—\$130.00) \$ _____
7. ☐ Assignment (See "ASSIGNMENT COVER SHEET".)

NOTE: 37 C.F.R. 1.21(i) establishes a fee for processing and retaining any application which is abandoned for failing to complete the application pursuant to 37 C.F.R. 1.53(f) and this, as well as, the changes to 37 C.F.R. 1.53 and 1.78 indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee or the processing and retention fee of \$ 1.21(i) within 1 year of notification under §1.53(f) must be paid.

Total completion fees \$ 65.00

EXTENSION OF TIME

VII.

(complete (a) or (b), as applicable)

The proceedings herein are for a patent application, and the provisions of 37 C.F.R. 1.136(a) apply.

- (a) ☐ Applicant petitions for an extension of time, the fees for which are set out in 37 C.F.R. 1.17(a)(1)-(4), for the total number of months checked below:

Extension (months)	Fee for other than small entity	Fee for small entity
<input type="checkbox"/> one month	\$ 110.00	\$ 55.00
<input type="checkbox"/> two months	\$ 400.00	\$ 200.00
<input type="checkbox"/> three months	\$ 950.00	\$ 475.00
<input type="checkbox"/> four months	\$1,510.00	\$ 755.00

Fee \$ _____

If an additional extension of time is required, please consider this a petition therefor.

(check and complete the next item, if applicable)

- ☐ An extension for _____ months has already been secured, and the fee paid therefor of \$ _____ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ _____

or

- (b) ☐ Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

TOTAL FEE DUE

VIII.

The total fee due is

Completion fee(s) \$ 65.00

Extension fee (if any) \$ _____

Total Fee Due \$ 65.00

PAYMENT OF FEES

IX.

☒ Enclosed is a check in the amount of \$ 65.00

☐ Charge Account No. _____ in the amount of \$ _____
A duplicate of this request is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 C.F.R. 1.22(b).

Please charge Account No. _____ for any fees that may be due by this paper

AUTHORIZATION TO CHARGE ADDITIONAL FEES

X.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges if extra claims are authorized.

NOTE: "Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).

☒ The Commissioner is hereby authorized to charge the following additional fees that may be required by this paper and during the pendency of this application to Account No. 19-0590

☒ 37 C.F.R. 1.16(a), (f) or (g) (filing fees)

☒ 37 C.F.R. 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

☐ 37 C.F.R. 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

☐ 37 C.F.R. §§ 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a))

☐ 37 C.F.R. 1.17 (application processing fees)

NOTE: "A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3).

- ☐ 37 C.F.R. 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. 1.311(b).

NOTE: 37 C.F.R. 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying . . . issue fee . . ." From the wording of 37 C.F.R. 1.28(b): (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.



SIGNATURE OF PRACTITIONER

Reg. No. 24,518

Thomas Schneck

(type or print name of practitioner)

Tel. No.: (408) 297-9733

P.O. Box 2-E

P.O. Address

Customer No. 003897

San Jose, CA 95109-0005

Attached: 1. "Amendment, Petition and Fee to Delete Original Erroneously Named Inventor In - Nonprovisional Application - Declaration".

2. Copy of filing receipt with correction.